

3-(Trifluoromethyl)benzaldehyde Safety Data Sheet 2815303 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/26/2016 Version: 1.0

| SECTION 1: Identification | | |
|--|---|---|
| 1.1. Identification | | |
| Product form | : Substance | |
| Substance name | : 3-(Trifluoromethyl)benzaldehyde | |
| CAS No | : 454-89-7 | |
| Product code | : 2815-3-03 | |
| | : C8H5F3O | |
| Formula | | |
| Synonyms | : MTF-BAD | |
| Other means of identification | : MFCD00003373 | |
| | ance or mixture and uses advised ag | ainst |
| Use of the substance/mixture | : Laboratory chemicals Manufacture of substances Scientific research and development | |
| 1.3. Details of the supplier of the safety of | lata sheet | |
| SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com | 1 | |
| 1.4. Emergency telephone number | | |
| Emergency number | : (844) 523-4086 (3E Company - Acco | unt 10069) |
| SECTION 2: Hazard(s) identification | | |
| 2.1. Classification of the substance or m | ixture | |
| Classification (GHS-US) | | |
| Skin Irrit. 2H315 - Causes skin irritatioEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respirateAquatic Acute 1H400 - Very toxic to aquaticAquatic Chronic 1H410 - Very toxic to aquaticFull text of H-phrases: see section 16 | irritation ory irritation blife | |
| | | |
| 2.2. Label elements | | |
| GHS-US labeling | | |
| Hazard pictograms (GHS-US) | GHS07 GHS09 | |
| Signal word (GHS-US) | : Warning | |
| Hazard statements (GHS-US) | : H227 - Combustible liquid H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritatio H410 - Very toxic to aquatic life with I | |
| Precautionary statements (GHS-US) | P210 - Keep away from heat/sparks/ P261 - Avoid breathing fumes, mist, s P264 - Wash skin thoroughly after ha P271 - Use only outdoors or in a well P273 - Avoid release to the environm P280 - Wear protective gloves/protec P302+P352 - If on skin: Wash with pl P304+P340 - If inhaled: Remove person | open flames/hot surfaces. No smoking spray, vapors indling -ventilated area ent tive clothing/eye protection/face protection enty of soap and water son to fresh air and keep comfortable for breathing cautiously with water for several minutes. Remove contact ntinue rinsing |
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| | P321 - Specific treatment (see su P332+P313 - If skin irritation occ P337+P313 - If eye irritation pers P362+P364 - Take off contamina P370+P378 - In case of fire: Use P391 - Collect spillage P403+P233 - Store in a well-vent P403+P235 - Store in a well-vent P405 - Store locked up P501 - Dispose of contents/conta | urs: Get medical advice/att sists: Get medical advice/att ated clothing and wash it be dry sand, dry chemical or a tilated place. Keep containe tilated place. Keep cool | ention tention ofore reuse alcohol-resistant foam to extinguish er tightly closed |
|---|--|---|---|
| 2.3. Other hazards | | | |
| No additional information available | | | |
| 2.4. Unknown acute toxicity (GHS Not applicable | 5 05) | | |
| | | | |
| SECTION 3: Composition/infor | mation on ingredients | | |
| 3.1. Substance | : Mono-constituent | | |
| Substance type | | | |
| Name 3-(Trifluoromethyl)benzaldehyde | CAS No) 454-89-7 | % <= 100 | Classification (GHS-US) Flam. Lig. 4, H227 |
| (Main constituent) | (CAS NO) 454-69-7 | <= 100 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Full text of H-phrases: see section 16 | | | |
| .2. Mixture | | | |
| ot applicable | | | |
| ECTION 4: First aid measures | | | |
| .1. Description of first aid meas | | | |
| irst-aid measures general | : In case of accident or if you feel where possible). Move the affect | ed personnel away from the | e contaminated area. |
| irst-aid measures after inhalation | : Remove person to fresh air and l respiration. Get medical advice/a | ttention. | |
| irst-aid measures after skin contact | : Wash with plenty of soap and wa | | |
| irst-aid measures after eye contact | present and easy to do. Continue | rinsing. Get medical advic | |
| irst-aid measures after ingestion | : Do NOT induce vomiting. Never mouth out with water. Get medica | | an unconscious person. Rinse |
| | nd effects, both acute and delayed | | |
| symptoms/injuries | : The most important known symp 2.2) and/or in section 11. | toms and effects are descri | bed in the labelling (see section |
| | medical attention and special treatment n | eeded | |
| reat symptomatically. | | | |
| SECTION 5: Firefighting measure | | | |
| 5.1. Extinguishing media Suitable extinguishing media | : Alcohol resistant foam. Carbon d appropriate for surrounding fire. | ioxide. Dry powder. Water | spray. Use extinguishing media |
| .2. Special hazards arising from | | | |
| ire hazard | : Thermal decomposition generate | s: Carbon oxides. Hydroge | n fluoride. |
| xplosion hazard | : Risk of explosion if heated under containers. May form flammable/ | confinement. Use water sp | oray or fog for cooling exposed |
| | | | |
| .3. Advice for firefighters | | | |
| .3. Advice for firefighters irefighting instructions | : In case of fire: Evacuate area. Fi | ght fire remotely due to the | risk of explosion. |

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| SECTION 6: Accidental release measures | | | |
|--|---|--|--|
| 6.1. Personal precautions, protective equipment and emergency procedures | | | |
| General measures | Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. | | |
| 6.1.1. For non-emergency personnel | | | |
| Emergency procedures | : Only qualified personnel equipped with suitable protective equipment may intervene. | | |
| 6.1.2. For emergency responders | | | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". | | |
| Emergency procedures | : Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition. | | |
| 6.2. Environmental precautions | | | |
| Avoid release to the environment. Notify authoritie | es if product enters sewers or public waters. | | |
| 6.3. Methods and material for containmer | nt and cleaning up | | |
| For containment | : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. | | |
| Methods for cleaning up | : Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area. | | |
| Other information | : For disposal of solid materials or residues refer to section 13 : "Disposal considerations". | | |
| 6.4. Reference to other sections | | | |
| No additional information available | | | |
| SECTION 7: Handling and storage | | | |
| 7.1. Precautions for safe handling | | | |
| Additional hazards when processed | : Handle empty containers with care because residual vapors are flammable. | | |
| Precautions for safe handling | : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. | | |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | | |
| 7.2. Conditions for safe storage, including | g any incompatibilities | | |
| Technical measures | : Comply with applicable regulations. | | |
| Storage conditions | : Keep container closed when not in use. Keep away from ignition sources. Air sensitive. Keep contents under inert gas. | | |
| Incompatible materials | : Refer to Section 10 on Incompatible Materials. | | |
| Storage area | : Store in dry, cool, well-ventilated area. | | |

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

| 8.2. Exposure controls | |
|----------------------------------|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Hand protection | : Protective gloves. 29 CFR 1910.138: Hand Protection. |
| Eye protection | : Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. |
| Other information | : Safety shoes. 29 CFR 1910.136: Foot Protection. |

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|---|--|
| SECTION 9: Physical and chemica | I properties |
| 9.1. Information on basic physical and | d chemical properties |
| Physical state | : Liquid |
| Color | : No data available |
| Odor | : No data available |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 83 - 86 °C (@ 30 mm Hg) |
| Flash point | : 68 °C |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative density Relative vapor density at 20 °C | : No data available |
| Specific gravity / density | : 1.301 g/ml (@ 20 °C) |
| Molecular mass | : 174.12 g/mol |
| Solubility | : No data available |
| Log Pow | |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| | : No data available |
| Viscosity, kinematic Viscosity, dynamic | : No data available |
| | |
| 9.2. Other information | |
| Refractive index | : 1.4649 (@ 20 °C) |
| SECTION 10: Stability and reactivity | ty |
| 10.1. Reactivity | |
| No additional information available | |
| 10.2. Chemical stability | |
| The product is stable at normal handling and s | storage conditions. |
| 10.3. Possibility of hazardous reactions | - |
| No additional information available | 5 |
| | |
| 10.4. Conditions to avoid | |
| Keep away from heat, sparks and flame. | |
| 10.5. Incompatible materials | |
| Oxidizing agents. Reducing agents. | |
| 10.6. Hazardous decomposition products | |
| Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5. | |
| SECTION 11: Toxicological inform | ation |
| 11.1. Information on toxicological effect | |
| Acute toxicity | : Not classified |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
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| Respiratory or skin sensitization | : Not classified |
|--|-------------------------------------|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : May cause respiratory irritation. |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| | |

| SECTION 12: Ecological information | | |
|--|--|--|
| 12.1. Toxicity | | |
| 3-(Trifluoromethyl)benzaldehyde (454-89-7) | | |
| LC50 fish 1 | 0.65 - 0.88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) | |
| 12.2. Persistence and degradability | | |
| No additional information available | | |
| 12.3. Bioaccumulative potential | | |
| 3-(Trifluoromethyl)benzaldehyde (454-89-7) | | |
| Log Pow | 2.47 | |
| 12.4. Mobility in soil | | |
| No additional information available | | |
| 12.5. Other adverse effects | | |
| No additional information available | | |

| SECTION 13: Disposal considerations | | | |
|-------------------------------------|---|--|--|
| 13.1. Waste treatment methods | | | |
| Waste treatment methods | : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. | | |
| Waste disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions. | | |
| Additional information | : Recycle the material as far as possible. | | |
| | | | |

SECTION 14: Transport information

| Department of | Transportation | (DOT) |
|----------------------|----------------|-------|
| | | |

In accordance with DOT Transport document description

UN-No.(DOT)

Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

Packing group (DOT) Dangerous for the environment Marine pollutant

DOT Packaging Non Bulk (49 CFR 173.xxx)

: UN3082 Environmentally hazardous substances, liquid, n.o.s., 9, III

: UN3082

- : Environmentally hazardous substances, liquid, n.o.s.
- : 9 Class 9 Miscellaneous hazardous material 49 CFR 173.140
- : 9 Class 9 (Miscellaneous dangerous materials)



- : III Minor Danger
- : Yes



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| DOT Special Provisions (49 CFR 172.102) : G - I dentifies PSN requiring a technical name DOT Special Provisions (49 CFR 172.102) : B - A hazardous substance has the is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or sold. n.o.s.", as appropriate. In addition, for sold materials, special provision BS4 applies. 146 - This description may be used for a material that poses a hazard to the environment but designated as environmentally hazardous by the Competent Authonly of the county of origin, the appropriate of sold material search of the substance, as defined in environmentally hazardous by the Competent Authonly of the county of origin, the appropriate of solds that are ont subject to this subchapter, and environmentally hazardous butsances, sold, n.o.s." UNNOT (An unsup technical and the appropriate of solds that are ont subject to this subchapter, provided there is no free liquid visible at the time the material is laded or at the time the packaging or free liquid visible at the times the material has posed provide there is no free liquid visible at the times the material has a data and the appropriate (11.18 ard 13.14). Statistics (3.11H and 3.11H2): Composite (3.11H2, 3.11H2, 3. | DOT Packaging Bulk (49 CFR 173.xxx) | : 241 |
|---|---|---|
| description "Other regulated substances, liquid or sold, n.o.s.", as appropriate, in addition, for sold materials, special provision B54 applies. results, special provision B54 applies. resigned to the definition for a hazardous substance, as defined in part 173 d this subchapter, if it is designed to a servironmentally hazardous by the Competent Authonly of the country of origin, transit or destination. results, and results, | , | : G - Identifies PSN requiring a technical name |
| MAWP.DOT Packaging Exceptions (49 CFR 173.xx): 155DOT Quantity Limitations Passenger aircraft/rail: No limit(49 CFR 173.27): No limitDOT Quantity Limitations Cargo aircraft only (49: No limitCFR 175.75): A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.Other information: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.Other information: No supplementary information available.TDG No additional information available: No supplementary information available.Transport by sea UN-No. (IMDG): 3082Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.Class (IMDG): 9 - Miscellaneous dangerous compoundsPacking group (IMDG): III - substances presenting low dangerAir transport UN-No. (IATA): 3082Proper Shipping Name (IATA): SixeVin-No. (IATA): 9 - Miscellaneous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | DOT Special Provisions (49 CFR 172.102) | description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal |
| DOT Quartity Limitations Passenger aircraft/rail i No limit (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 i No limit DOT Quartity Limitations Cargo aircraft only (49 i No limit CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG No additional information available Transport by sea | | MAWP. |
| (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : No limit CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG No additional information available Transport by sea UN-No. (IMDG) : 3082 Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Class (IMDG) : 9 - Miscellaneous dangerous compounds Packing group (IMDG) : III - substances presenting low danger Air transport UN-No. (IATA) : 3082 Proper Shipping Name (IATA) : 5082 Proper Shipping Name (IATA) : 9 - Miscellaneous dangerous compounds LIN-No. (IATA) : 9 - Miscellaneous dangerous compounds | DOT Packaging Exceptions (49 CFR 173.xxx) | : 155 |
| CFR 175.75) DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Other information : No supplementary information available. TDG No additional information available Transport by sea | | : No limit |
| Other information : No supplementary information available. TDG | | : No limit |
| TDG No additional information available Transport by sea UN-No. (IMDG) : 3082 Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Class (IMDG) : 9 - Miscellaneous dangerous compounds Packing group (IMDG) : 1II - substances presenting low danger Air transport UN-No. (IATA) : 3082 Proper Shipping Name (IATA) : 5082 Proper Shipping Name (IATA) : 9 - Miscellaneous bangerous substance, liquid, n.o.s. Class (IATA) : 9 - Miscellaneous Dangerous Goods | DOT Vessel Stowage Location | |
| No additional information available Transport by sea UN-No. (IMDG) : 3082 Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Class (IMDG) : 9 - Miscellaneous dangerous compounds Packing group (IMDG) : 1II - substances presenting low danger Air transport UN-No. (IATA) UN-No. (IATA) : 3082 Proper Shipping Name (IATA) : 3082 Proper Shipping Name (IATA) : 9 - Miscellaneous Dangerous Goods | Other information | : No supplementary information available. |
| Transport by seaUN-No. (IMDG): 3082Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.Class (IMDG): 9 - Miscellaneous dangerous compoundsPacking group (IMDG): 1II - substances presenting low dangerAir transportUN-No. (IATA)UN-No. (IATA): 3082Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | TDG | |
| UN-No. (IMDG): 3082Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.Class (IMDG): 9 - Miscellaneous dangerous compoundsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 3082Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | No additional information available | |
| Proper Shipping Name (IMDG): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.Class (IMDG): 9 - Miscellaneous dangerous compoundsPacking group (IMDG): III - substances presenting low dangerAir transportUN-No. (IATA): 3082Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | Transport by sea | |
| Class (IMDG): 9 - Miscellaneous dangerous compoundsPacking group (IMDG): III - substances presenting low dangerAir transport | UN-No. (IMDG) | : 3082 |
| Packing group (IMDG) : III - substances presenting low danger Air transport UN-No. (IATA) : 3082 Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. Class (IATA) : 9 - Miscellaneous Dangerous Goods | Proper Shipping Name (IMDG) | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Air transport UN-No. (IATA) : 3082 Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. Class (IATA) : 9 - Miscellaneous Dangerous Goods | Class (IMDG) | : 9 - Miscellaneous dangerous compounds |
| UN-No. (IATA): 3082Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | Packing group (IMDG) | : III - substances presenting low danger |
| Proper Shipping Name (IATA): Environmentally hazardous substance, liquid, n.o.s.Class (IATA): 9 - Miscellaneous Dangerous Goods | Air transport | |
| Class (IATA) : 9 - Miscellaneous Dangerous Goods | UN-No. (IATA) | |
| | | - |
| Packing group (IATA) : III - Minor Danger | | - |
| | Packing group (IATA) | : III - Minor Danger |
| | | |

| SECTION 15: Regulatory information |
|---|
| 15.1. US Federal regulations |
| 3-(Trifluoromethyl)benzaldehyde (454-89-7) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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15.2. International regulations

CANADA

3-(Trifluoromethyl)benzaldehyde (454-89-7)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

3-(Trifluoromethyl)benzaldehyde (454-89-7)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

| Hazardous to the aquatic environment - Acute Hazard Category 1 | |
|--|--|
| Hazardous to the aquatic environment - Chronic Hazard Category 1 | |
| Serious eye damage/eye irritation Category 2A | |
| Flammable liquids Category 4 | |
| Skin corrosion/irritation Category 2 | |
| Specific target organ toxicity (single exposure) Category 3 | |
| Combustible liquid | |
| Causes skin irritation | |
| Causes serious eye irritation | |
| May cause respiratory irritation | |
| Very toxic to aquatic life | |
| Very toxic to aquatic life with long lasting effects | |
| | |

| NFPA health hazard | : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. |
|--------------------|--|
| NFPA fire hazard | : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. |
| NFPA reactivity | : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. |
| HMIS III Rating | |
| Health | : 2 Moderate Hazard - Temporary or minor injury may occur |
| Flammability | : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA) |
| Physical | : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.